

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**
(use as many sheets as necessary)

<i>Complete if Known</i>	
Application Number	Unknown 10/804,421
Filing Date	Even Date Herewith 03/19/04
First Named Inventor	Forbes, Leonard
Group Art Unit	Unknown 2874
Examiner Name	Unknown Phan Palmer

Sheet 1 of 3

Attorney Docket No: 1303.049US2

US PATENT DOCUMENTS

Examiner Initials*	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
P.H.	US-1,628,417	05/10/1927	Miller, Levi B.	65	68	11/24/2025
	US-5,734,773	03/31/1998	Teshima, Shinichi, et al.	385	126	04/27/1995
	US-5,815,627	09/29/1998	Harrington, James A.	385	125	08/08/1996
	US-5,827,346	10/27/1998	Kopylov, Nonna, et al.	65	384	01/31/1996
	US-6,090,636	07/18/2000	Geusic, Joseph E., et al.	438	31	02/26/1998
	US-6,141,476	10/31/2000	Matsuura, Yuji, et al.	385	125	01/05/1998
	US-6,150,188	11/21/2000	Geusic, J.E., et al.	438	31	02/26/1998
P.H.	US-6,334,019	12/25/2001	Birks, T.A., et al.	385	125	12/17/1999

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
P.H.		AGIO, M., et al., "Complete photonic band gap in a two-dimensional chessboard lattice", <u>Physical Review B (Condensed Matter)</u> , 61(3), (June 15, 2000), pp. 15519-22	
		ALFIMOV, M.V., "Photonic crystal fibers with a photonic band gap tunable within the range of 930-1030 nm", <u>JETP Letters</u> , 71(12), (2000), pp. 489-492	
		BABA, T., et al., "Fabrication and photoluminescence studies of GaInAsP/InP 2-dimensional photonic crystals", <u>Journal of Applied Physics, Part 1 (Regular Papers & Short Notes)</u> , 35(2B), (February 1996), pp. 1348-52	
		BABA, T., et al., "Possibility of InP-based 2-dimensional photonic crystal: an approach by the anodization method", <u>Japanese Journal of Applied Physics, Part 1 (Regular Papers & Short Notes)</u> , 34(2B), (February 1995), pp. 1405-8	
		BABA, T., et al., "Theoretical calculation of photonic gap in semiconductor 2-dimensional photonic crystals with various shapes of optical atoms", <u>Japanese Journal of Applied Physics, Part 1 (Regular Papers & Short Notes)</u> , 34(8B), (August 1995), pp. 4496-8	
		BARKOU, S.E., et al., "Silica-air photonic crystal fiber design that permits waveguiding by a true photonic bandgap effect", <u>Optics Letters</u> , 24(1), (January 1, 1999), pp. 46-8	
		BIRKS, T.A., et al., "Endlessly single-mode photonic crystal fiber", <u>Optics Letters</u> , 22(3), (July 1, 1997), pp. 961-3	
P.H.		BRECHET, F., et al., "Complete analysis of the characteristics of propagation into photonic crystal fibers by the finite element method", <u>Optical Fiber Technology: Materials, Devices and Systems</u> , 6(2), (April 2000), pp. 181-191	

EXAMINER

Phan T.H. Palmer

DATE CONSIDERED

11/12/2004

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
		Application Number	Unknown 10/804,421
		Filing Date	Even Date Herewith 03/19/04
		First Named Inventor	Forbes, Leonard
		Group Art Unit	Unknown 2874
		Examiner Name	Unknown Phan Palmer
Sheet 2 of 3		Attorney Docket No: 1303.049US2	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No [†]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T [‡]
PH		BROENG, J., et al., "Analysis of air-guiding photonic bandgap fibers", <u>Optics Letters</u> , v 25, n 2, (January 15, 2000), pp. 96-8	
		BROENG, J., et al., "Photonic crystal fibers: a new class of optical waveguides", <u>Optical Fiber Technology: Materials, Devices and Systems</u> , 5(3), (July 1999), pp. 305-30	
		CHAN, Y.S., et al., "Photonic band gaps in two dimensional photonic quasicrystals", <u>Physical Review Letters</u> , 80(5), (February 2, 1998), pp. 956-9	
		CHARLTON, M.D., et al., "Guided mode analysis, and fabrication of a 2-dimensional visible photonic band structure confined within a planar semiconductor waveguide", <u>Materials Science & Engineering B (Solid-State Materials for Advanced Technology)</u> , B49(2), (September 1997), pp. 155-165	
		EGGLETON, B.J., et al., "Cladding-mode-resonances in air-silica microstructure optical fibers", <u>Journal of Lightwave Technology</u> , 18(8), (August 2000), pp. 1084-100	
		FEDOTOV, A.B., et al., "Holey fibers with 0.4-32- mu m-lattice-constant photonic band-gap cladding: fabrication, characterization, and nonlinear-optical measurements", <u>Laser Physics</u> , 11(1), (January 2001), pp. 138-45	
		FERRANDO, A., "Nearly zero ultraflattened dispersion in photonic crystal fibers", <u>Optics Letters</u> , 25(11), (June 1, 2000), pp. 790-2	
		FERRANDO, A., "Single-polarization single-mode intraband guidance in supersquare photonic crystals fibers", <u>Applied Physics Letters</u> , 78(21), (May 21, 2001), pp. 3184-6	
		FOTEINOPOLLOU, S., et al., "In- and out-of-plane propagation of electromagnetic waves in low index contrast two dimensional photonic crystals", <u>Journal of Applied Physics</u> , 89(2), (January 15, 2001), pp. 824-30	
		HANSEN, T P., et al., "Highly birefringent index-guiding photonic crystal fibers", <u>IEEE Photonics Technology Letters</u> , 13(6), (June 2001), pp. 588-90	
		HECHT, J., "Holes in Photonic Crystal Fibers Open New Possibilities", <u>Laser Focus World</u> , 37(5), (May 2001), pp. 207	
		JIN, CHONG-JUN, et al., "A novel two-dimensional photonic crystal", <u>Chinese Physics Letters</u> , 16(1), (1999), pp. 20-2	
		JIN, CHONG-JUN, et al., "Two Dimensional Photonic Band Structure: Triangular Non-Bravais Lattice", <u>Acta Optica Sinica</u> , 17, (1997), pg. 409	
		JONES-BEY, H., "Photonic crystal fiber yields near-IR solitons", <u>Laser Focus World</u> , 36(1), (January 2000), pp. 15-16	
		KNIGHT, J.C., et al., "All-silica single-mode optical fiber with photonic crystal cladding", <u>Optics Letters</u> , 21(19), (October 1, 1996), pp. 1547-9	
PH		KNIGHT, J.C., et al., "Anomalous dispersion in photonic crystal fiber", <u>IEEE Photonics Technology Letters</u> , 12(7), (July 2000), pp. 807-9	
PH		KNIGHT, J.C., et al., "Bragg scattering from an obliquely illuminated photonic crystal fiber", <u>Applied Optics</u> , 37(3), (January 20, 1998), pp. 449-52	

EXAMINER *Phan T. H. Palmer*

DATE CONSIDERED

11/12/2004

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		<i>Complete if Known</i>	
		Application Number	Unknown 10/804,421
		Filing Date	Even Date Herewith 03/19/04
		First Named Inventor	Forbes, Leonard
		Group Art Unit	Unknown 2874
		Examiner Name	Unknown Phan Palmer
Sheet 3 of 3		Attorney Docket No: 1303.049US2	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Pff		KNIGHT, J.C., et al., "Large mode area photonic crystal fibre", <u>Electronics Letters</u> , 34(13), (June 25, 1998), pp. 1347-8	
↑		KNIGHT, J.C., et al., "Photonic crystals as optical fibres-physics and applications", <u>Optical Materials</u> , 11(2-3), (January 1999), pp. 143-51	
		KNIGHT, T.C., "Properties of photonic crystal fiber and the effective index model", <u>Journal of the Optical Society of America A (Optics, Image Science and Vision)</u> , 15(3), (March 1998), pp. 748-52	
		MOGILEVTSOV, D., et al., "Group-velocity dispersion in photonic crystal fibers", <u>Optics Letters</u> , 23(21), (November 1, 1998), pp. 1662-4	
		MONRO, T.M., et al., "Holey optical fibers: An efficient modal model", <u>Journal of Lightwave Technology</u> , 17(6), (June 1999), pp. 1093-102	
		MONRO, T.M., et al., "Modeling large air fraction holey optical fibers", <u>Journal of Lightwave Technology</u> , 18(1), (January 2000), pp. 50-6	
		OPTOELECTRONICS GROUP, UNIVERSITY OF BATH, "Photonic Crystal Fibre", http://www.bath.ac.uk/physics/groups/pto/pcf.html , (7/27/01),	
		RANKA, J.K., et al., "Optical properties of high-delta air-silica microstructure optical fibers", <u>Optics Letters</u> , 25(11), (June 1, 2000), pp. 796-8	
		RASTOGI, V., et al., "Propagation characteristics of a segmented cladding fiber", <u>Optics Letters</u> , 26(8), (April 15, 2001), pp. 491-3	
		SANCHEZ-PEREZ, J.V., et al., "Sound attenuation by a two-dimensional array of rigid cylinders", <u>Physical Review Letters</u> , 80(24), (June 15, 1998), pp. 5325-8	
		SCHERER, A., et al., "Photonic crystal cavities and waveguides", <u>Device Research Conference. Conference Digest</u> , (2001), pp. 115-18	
		STEEL, M.T., et al., "Elliptical-hole photonic crystal fibers", <u>Optics Letters</u> , 26(4), (February 15, 2001), pp. 229-31	
↓		STEEL, M.T., et al., "Symmetry and degeneracy in microstructured optical fibers", <u>Optics Letters</u> , 26(8), (April 15, 2001), pp. 488-90	
Pff		WHEELER, M.D., "Photonic crystal protends fiber optics breakthrough", <u>Photon Spectra</u> , 32(1), (January 1998), pg. 34	

EXAMINER

Phan Palmer

DATE CONSIDERED

11/12/2004